

In the Claims:

1. (Currently amended) A portable device system for the delivery of medicament comprising

a housing;

received by said housing, a medicament container;

associated with said medicament container, a dispensing mechanism for dispensing medicament from the medicament container;

provided to the housing, an electronic data management system comprising

a memory for storage of data;

a microprocessor for performing operations on said data; and

a transmitter for transmitting a signal relating to the data or the outcome of an operation on the data; and

associated with the electronic data management system, a communicator for wireless communication with a remote network computer system to enable two-way transfer of data between the network computer system and the electronic data management system.

2. (Cancelled)

3. (Currently amended) A portable device system according to Claim 1, wherein the data is communicable between the network computer system and the electronic data management system in encrypted form.

4. (Currently amended) A portable device system according to Claim 1, wherein the communicator employs radiofrequency or optical signals.

5. (Currently amended) A portable device system according to Claim 1, wherein the communicator communicates with the network computer system via a gateway thereto.

6. (Currently amended) A portable device system according to Claim 1, wherein the communicator includes an embedded network server.

7. (Currently amended) A portable device system according to Claim 1, wherein the communicator communicates with the network computer system via a second communications device having telecommunications capability.

8. (Currently amended) A portable device system according to claim 7, wherein the telecommunications device comprises a cellular phone or pager.

9. (Currently amended) A portable device system according to Claim 7, wherein the communicator communicates with the second communications device using spread spectrum radiofrequency signals.

10. (Currently amended) A portable device system according to Claim 1, wherein the network computer system comprises a public access network computer system.

11. (Currently amended) A portable device system according to Claim 1, wherein the network computer system comprises a private access network computer system.

12. (Currently amended) A portable device system according to Claim 1, wherein the communicator enables communication with a user-specific network address in the network computer system.

13. (Currently amended) A portable device system according to claim 12, wherein the user-specific network address is selected from the group consisting of a web-site address, an e-mail address and a file transfer protocol address.

14. (Currently amended) A portable device system according to Claim 12, wherein the user-specific network address is accessible to a remote information source such that information from said remote information source can be made available ~~thereto~~ said user-specific network address.

15. (Currently amended) A portable device system according to claim 14, wherein information from the user-specific network address can be made available to the remote information source.

16. (Currently amended) A portable device system according to Claim 14, wherein the remote information source is a medicament prescriber.

17. (Currently amended) A portable device system according to Claim 14, wherein the remote information source is a pharmacy.

18. (Currently amended) A portable device system according to Claim 14, wherein the remote information source is an emergency assistance provider.

19. (Currently amended) A portable device system according to Claim 14, wherein the remote information source is a manufacturer of medicament or medicament delivery systems.

20. (Currently amended) A portable device system according to Claim 14, wherein the remote information source is a research establishment.

21. (Currently amended) A portable device system according to claim ~~14~~¹⁵, wherein the remote information source is an environmental monitoring station.

22. (Currently amended) A portable device system according to Claim 1, additionally comprising a datalink for linking to a local data store to enable communication of data between the local data store and the microprocessor.

23. (Currently amended) A portable device system according to claim 22, wherein the datalink comprises an infrared emitter and sensor.

24. (Currently amended) A portable device system according to Claim 22, wherein the local data store comprises a personal computer or set-top box.

25. (Currently amended) A portable device system according to Claim 1, additionally comprising a data input system for user input of data to the electronic data management system.

26. (Currently amended) A portable device system according to claim 25, wherein said data input system comprises a man machine interface selected from the group consisting of a keypad, voice recognition interface, graphical user interface (GUI) or biometrics interface.

27. (Currently amended) A portable device system according to Claim 1, additionally comprising a display for display of data from the electronic data management system to the user.

28. (Currently amended) A portable device system according to Claim 1, wherein said electronic data management system includes a predictive algorithm or look-up table for calculating the optimum amount of medicament to dispense.

29. (Currently amended) A portable device system according to claim 28, wherein the memory includes a dose memory for storing dosage data and reference is made to the dose memory in calculating the optimum amount of medicament to dispense.

30 – 32 (Cancelled)

33. (Currently amended) A portable device system according to Claim 1, additionally comprising a detector for detecting dispensing from the medicament container, wherein said detector communicates dispensing data to the electronic data management system.

34. (Currently amended) A portable device system according to Claim 1, additionally comprising a geographic positioning system.

35. (Currently amended) A portable device system for the delivery of inhalable medicament according to Claim 1 additionally comprising a sensor which senses the breath of a user, wherein the sensor communicates breath data to the electronic data management system.

36. (Currently amended) A portable device system according to claim 35, wherein said sensor comprises a breath-movable element which is movable in response to the breath of a patient.

37. (Currently amended) A portable device system according to claim 36, wherein said breath-movable element is selected from the group consisting of a vane, a sail, a piston and an impeller.

38. (Currently amended) A portable device system according to claim 35, wherein the sensor comprises a pressure sensor for sensing the pressure profile associated with the breath of a user.

39. (Currently amended) A portable device system according to claim 35, wherein the sensor comprises an airflow sensor for sensing the airflow profile associated with the breath of a user.

40. (Currently amended) A portable device system according to claim 35, wherein the sensor comprises a temperature sensor for sensing the temperature profile associated with the breath of a user.

41. (Currently amended) A portable device system according to claim 35, wherein the sensor comprises a moisture sensor for sensing the moisture profile associated with the breath of a user.

42. (Currently amended) A portable device system according to claim 35, wherein the sensor comprises a gas sensor for sensing the oxygen or carbon dioxide profile associated with the breath of a user.

43. (Currently amended) A portable device system according to Claim 35, wherein said breath data includes breath cycle data.

44. (Currently amended) A portable device system according to Claim 35, wherein said breath data includes peak flow data.

45. (Currently amended) A portable device system according to Claim 35, additionally comprising an actuator for actuating the dispensing mechanism, said actuator being actuable in response to a trigger signal from the transmitter.

46. (Currently amended) A portable device system according to claim 45, wherein the electronic data management system includes a predictive algorithm or look-up table for deriving from the breath data when to transmit the trigger signal.

47. (Currently amended) A portable device system according to Claim 35, wherein said medicament container is an aerosol container and the dispensing mechanism is an aerosol valve.

48. (Currently amended) A portable device system according to Claim 35, wherein said medicament container is a dry-powder container.

49. (Currently amended) A portable device system according to Claim 45, wherein said actuator comprises an energy store for storing energy which energy is releasable to actuate the dispensing mechanism of the medicament container.

50-51. (Cancelled).